



REFLECTIVA

Isoflect® FLOOR PRO

Reflective thermal insulation membrane for flooring — 40 m² roll

Thermo-reflective sheet for heated floors, in a 13-layer construction, with air-bubble film and a reflective aluminium face. It reflects radiant heat back into the screed, functions as a high-efficiency vapour barrier ($S_d > 1500 \text{ m}$), blocks radon gas diffusion — diffusion coefficient measured below $1.0 \times 10^{-13} \text{ m}^2/\text{s}$ — and, through its dynamic stiffness below 100 MN/m^3 , dampens impact sound.

TECHNICAL CHARACTERISTICS

Composition	13 layers, with air-bubble film and a reflective aluminium face. Face orientation is mandatory	
Thickness	6.5 mm (± 0.15)	EN 823
Mass per unit area	240 g/m² (± 20)	EN 1849-2
Roll dimensions	1.00 m width ($\pm 2.5 \%$) $\times$ 40 m ($\pm 2.5 \%$) — 40 m²	EN 822
Thermal radiation reflectivity	95-97 %	
Emissivity	0.05	prEN 15976
Thermal conductivity, λ_{10}	0.0374 W/(m·K)	EN 12667
Water vapour diffusion resistance, S_d	> 1500 m	EN 1931
Water absorption (28 days)	max. 7 %	EN 12087
Dimensional stability	$\pm 2 \%$	EN 1604
Dynamic stiffness	< 100 MN/m³	EN 9052-1
Reaction to fire	Class F	EN 13501-1+A1
Radon diffusion coefficient, D	< $1.0 \times 10^{-13} \text{ m}^2/\text{s}$	ISO/DTS 11665-13
Radon test report	no. 23116 / 19.05.2023 — LaRUC, Universidad de Cantabria, Spain	

FIELDS OF USE

Warm-water underfloor heating systems; heating mats and electric heating cables; high-efficiency vapour barrier under the screed.

PACKAGING AND STORAGE

Rolls stored horizontally, on a clean, flat surface, protected from direct sunlight and moisture.

INSTALLATION

Laid with the reflective face down, between the floor insulation and the heating system or directly on the concrete slab. CAUTION with grooved panels, increasingly used for fixing pipes: the foil CANNOT be installed over them — it is laid underneath, on the slab or on the insulation, before the panels are installed. Strips are laid end to end, without overlap, and sealed together with Isoflect Power Tape — required: one roll of Power Tape for each roll of Floor Pro. Raised around the perimeter, along the walls, above floor level, the foil can replace the expansion strip. Concrete screed over the foil: minimum 50 mm, recommended 60-70 mm. When used as a vapour barrier, it is installed following the general rules for reflective vapour barriers.

S.C. ISO FLECT INSULATION S.R.L.

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Șos. Caragea Vodă nr. 89A, Domnești, sat Țegheș, jud. Ilfov, Romania

Warehouse and deliveries

ELI Park 3, secțiunea S10, Str. Speranței 101, Buftea, Ilfov, Romania

+40 21 780 7585 · WhatsApp +40 790 644 051 · contact@isoflect.ro

The declared values come from the Isoflect Insulation product documentation and the related test reports. They refer to the product, not to the assembly in which it is installed; system performance is established through a hygrothermal calculation for each individual case. The manufacturer reserves the right to change specifications without prior notice — always check the revision in force. Revision 4 · 13.09.2026